
CAMPBELL COUNTY

(Campbell County Water Service Area Map)

- Estimated 1999 population of 86,900--93% on public water
- Estimated 2020 population of 91,000--96% on public water
- 350 miles of water lines, with plans for 140 additional miles
- Estimated funding needs for public water 2000-2005--\$500,000
- Estimated funding needs for public water 2006-2020--\$7,230,000

Campbell County had an estimated population of 86,854 (34,654 households) in 1999 with a projected population of 91,000 (39,400 households) in 2020. Public water is provided to about 93 percent of the county's residents. In areas of the county not served by public water, about 1 of 8 households rely on private domestic wells and 7 of 8 the households rely on cisterns, hauled water and other sources. About 1,250 customers will be added to public water service through new line extensions in 2000-2020.

Estimated Costs - Proposed Projects, 2000-2005

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	in \$1000	in \$1000	in \$1000	in \$1000	in \$1000
CAMPBELL								-
Northern Ky. Water Service	9.8	150	500					500
Total	9.8	150	500					500

Estimated Costs - Proposed Projects, 2006-2020

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	in \$1000	in \$1000	in \$1000	in \$1000	in \$1000
CAMPBELL								-
Northern Ky. Water Service	129.0	1,100	6,500				730	7,230
Total	129.0	1,100	6,500				730	7,230

PUBLIC WATER SYSTEMS

There are 8 public and semi-public water systems in Campbell County: 3 community--1 municipal, Newport Water Department; 2 private community; and 5 non-community systems. East Pendleton Water District, Pendleton County Water District, and Northern Kentucky Water Service District also serve areas of the County.

NEWPORT WATER WORKS

PWSID: 0190313

WATER SERVICE AREAS

CAMPBELL COUNTY

Kentucky

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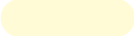

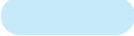



Data Collection & GIS Input By:
Kentucky Area Development Districts



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WATER SERVICE STATUS BY OWNER

EXISTING SERVICE AREA	PROPOSED SERVICE AREA	
		PENDLETON COUNTY WATER DISTRICT/SOUTH
		NORTHERN KENTUCKY WATER SERVICE DISTRICT
		NEWPORT WATER WORKS
		EAST PENDLETON WATER DISTRICT

System Type:.....	COMMUNITY
Owner Type:.....	MUNICIPAL
Surface Source:.....	OHIO RIVER
Purchase Source:	
Well Source:	
Sells Water to:	NORTHERN KENTUCKY WATER SERVICE DISTRICT
Treatment Plant Capacity (MGD):.....	10.50
Percent Daily Average Production:.....	41.00
Total Tank Storage Capacity (gallons):	1,000,000.00
Total Service Connections:	7,000.00
Number of Employees:.....	21.00
Treatment Operator Class:	3D
Distribution Operator Class:.....	4A
Customer Rate for 1,000 Gallons:.....	Not available
O/M costs 1997:.....	Not available
O/M costs per Service Connection:	Not available
Net Revenue 1997:	Not available
Total Water Produced 1997 (gallons):.....	Not available
Water Sold 1997 (gallons):.....	Not available
Unaccounted-for Water 1997 (%):	Not available

The Newport Water Department draws its water from the Ohio River for treatment. The Department has 7,000 service connections, serving approximately 20,000 people, although its customers are not broken down by category. The total annual volume used in 1998 was 201,662,500 gallons. The average daily production of the Newport Water Department water treatment plant was 5,000,000 gallons per day in 1997. They supply wholesale water to the Northern Kentucky Water Service District to supply customers in Bellevue, Dayton and part of Fort Thomas. There is a storage capacity of 1,000,000 gallons in one tank. The Newport Water Department has 21 full-time employees.

All households within the city of Newport are already being served by city water. However, the City of Southgate, which is located on the southern edge of the system, has some concerns about fire suppression due to low pressure. Areas just north of 1-275/1471 interchange do not have adequate pressure at the hydrants. They feel this could be remedied by looping into the existing system to increase pressure.

The City of Newport has just begun preliminary negotiations with the Northern Kentucky Water Service District to sell them the waterworks. No decision has been made as of this writing. A \$5.7 million upgrade of aging equipment has been put on hold while negotiations continue.

OTHER SYSTEMS:

ST ANNE CONVENT

St Anne Convent is located in Campbell County. The system serves a population of 150 and has 1 service connection. The private, community system has treatment capacity of 48,000 gallons per day and the water source is wells.

GREEN VALLEY TRAILER PARK INC.

Green Valley Trailer Park Inc. is located in Campbell County. The system serves a population of 198 and has 60 service connections. The private, community system has treatment capacity of 30,000 gallons per day and the water source is wells.

WREN ROAD CAMPSITES

Wren Road Campsites is located in Campbell County. The system serves a population of 24 and has 16 service connections. The private, transient, non-community system water source is wells.

THOMAS MORE COLLEGE BIO STAT

Thomas More College Bio Stat is located in Campbell County. The system serves a population of 45 and has 1 service connection. The private, transient, non-community system water source is wells.

NIENABER PROPERTY PUBLIC WATER

Nienaber Property Public Water is located in Campbell County. The system serves a population of 9 and has 15 service connections. The private, transient, non-community system water source is wells.

ST PETER AND PAUL SCHOOL

St Peter And Paul School is located in Campbell County. The system serves a population of 85 and has 1 service connection. The non-transient, non-community system has treatment capacity of 6,375 gallons per day. The water source is cisterns collected from roof runoff.

DOYLE CLUB AND CAMP

Doyle Club And Camp is located in Campbell County. The system serves a population of 52 and has 17 service connections. The private, transient, non-community system has treatment capacity of 10,000 gallons per day and the water source is wells.

PRIVATE DOMESTIC SYSTEMS:

About 6,100 people in Campbell County rely on private domestic water systems: about 700 on water wells, and 5,400 on cisterns, hauled water, and other sources.

The alluvium along the Ohio River is the best source of ground-water in the county. Many properly constructed drilled wells will produce several hundred gallons per minute from the alluvium, with most wells able to produce enough for a domestic supply at depths of less than 100 feet. Water is hard or very hard but otherwise of good quality.

In the Licking River valley and the lower sections of the larger creek valleys in Campbell County most drilled wells will produce enough water for a domestic supply at depths of less than 100 feet. Some wells located in the smaller creek valleys will produce enough water for a domestic supply except during dry weather. In the upland areas of Campbell County that encompasses 60% of the county, most drilled wells will not produce enough water for a dependable domestic supply except along drainage lines that may produce enough water except during dry weather. Ground water in these areas is hard or very hard and may contain salt or hydrogen sulfide, especially at depths greater than 100 feet.
